

STATE

INDUSTRIES OF THE FUTURE



SUCCESS STORY

UTAH

SEP SPECIAL PROJECTS GRANTS

FY 2000 - \$200,000

FY 2001 - \$200,000

FOCUS INDUSTRIES

Agriculture

Chemicals

Forest Products

Metal Casting

Mining

Petroleum

Steel

PARTICIPATING ORGANIZATIONS

Utah Office of Energy
Services

etc Group, Inc.

Utah Engineering

Experiment Station

IMPLEMENTING INDUSTRIES OF THE FUTURE IN UTAH

The Office of Energy Efficiency and Renewable Energy's Industrial Technologies program is working with partners from the State of Utah to expand the Utah Industries of the Future (IOF). The initiative brings together members of industry, government, and academia in Utah to promote industrial energy efficiency, reduced waste, and increased productivity. The Utah IOF is considered a success due to the quality and quantity of its strategy, outreach events, partnerships, and promotion of R&D.

STRATEGY

Utah's initial strategy was to develop and implement an action plan to assess Utah's industries and resources, identify needs, determine the fit between those needs and the Industrial program's products and services, and create mechanisms to provide the needed resources to Utah industries.

Having assessed several industries, Utah is now identifying areas of research that will promote energy reduction, increased competitiveness, and waste reduction. Focus industries for this research include mining, metals, and mineral processing, although other industries such as metal casting, steel, chemicals, and crosscutting technologies will also be targeted. The IOF is conducting this effort through the Utah Mining and Processing Collaborative, a Utah IOF initiative. The Collaborative will develop partnerships to reduce energy consumption and increase the competitiveness of target industries. It will also work with the Utah IOF, the Utah Office of Energy Services, and other organizations to develop visions and roadmaps that focus on the needs of industry in the state.

The Utah IOF is also building partnerships to develop and implement state strategies and action plans that address state-level visions and roadmaps. These partnerships will include strong participation by industry, the Industrial program, Utah agencies, academia, and national laboratories.

INDUSTRIES OF THE FUTURE IN UTAH

INDUSTRIES	EMPLOYEES	WAGES (\$1,000)	VALUE OF SHIPMENTS (\$1,000)
AGRICULTURE	30,580	211,798	1,185,172
ALUMINUM	N/A	N/A	N/A
CHEMICAL	8,700	297,035	1,316,000
FOREST PRODUCTS	5,398	167,312	1,350,264
GLASS	N/A	N/A	N/A
METAL CASTING	1,015	28,880	114,486
MINING	6,085	276,808	1,747,044
PETROLEUM	849	48,994	1,551,677
STEEL	N/A	N/A	N/A

PROJECTS/ACHIEVEMENTS

Utah has sponsored many State IOF activities and has developed partnerships with state government, Utah industry, and academia. Following are some of these accomplishments:

- Conducted and published the *Utah Industry Needs Survey*.
- Launched the Utah Mining and Processing Industries Collaborative in June 2000.
- Conducted two BestPractices workshops.
- Launched the Utah State IOF Web page and received an award for the site from the Industrial program. Also launched a Web site for the mining initiative.
- Held a Utah Industry Roundtable and a Utah Mining Roundtable.
- Participated in a major industrial technology showcase in August 2001.
- Organized the signing of a "Memoranda of Understanding" between the Governor of Utah and DOE in August 2001.
- Produced *Energy Management Training* and *Energy Efficiency BestPractices* outreach materials.
- Conducts an "Inventions to Innovations" conference each year.
- Published a CD-ROM illustrating Utah mining R&D.
- Established a cooperative relationship with the Utah Governor, key legislators, and industry representatives that provides for joint policy development on behalf of BestPractices. None of these relationships existed prior to IOF funding. IOF goals are now associated firmly with state-level goals for economic development.
- Introduced a substantial portion of key IOF companies in Utah to best practices and invited them to participate in R&D project development.

LEVERAGING OPPORTUNITIES

In addition to activities funded through SEP Special Projects grants, a number of activities/funding/relationships have emerged as a result of the State IOF. These include development of a partnership with the Utah Pollution Prevention Association in Sustainable Business Conference, 1999-2001. The Utah IOF also forged a relationship with the Utah Industrial Energy Users Association, which resulted in participation by DOE-OIT in the Western States Energy Conference, May 2001 and April 2002.

In addition, as a direct result of Utah IOF activity, allied partner development has expanded to include new key players in energy utility companies and trade associations. Another benefit is the fact that local skills now exist to provide high-level technical support for R&D project development.

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